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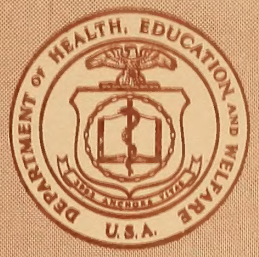

REPORT 19M

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service

U.S. NATIONAL INSTITUTES OF HEALTH
Division of Research Grants

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

NOVEMBER 1972

K37
U55
1972
Nov.

PREPARED BY

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

STATISTICS AND ANALYSIS BRANCH

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Nov.

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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AH	DIVISION OF ALLIED HEALTH MANPOWER
AI	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM	NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES
BS	DIVISION OF BIOLOGICS STANDARDS
CA	NATIONAL CANCER INSTITUTE
CF	DIVISION OF EDUCATION AND RESEARCH FACILITIES
CL	CLINICAL CENTER
CT	DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE	NATIONAL INSTITUTE OF DENTAL RESEARCH
DH	DIVISION OF DENTAL HEALTH
ES	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
EY	NATIONAL EYE INSTITUTE
GM	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HL	NATIONAL HEART AND LUNG INSTITUTE
JT	JOINT (TWO OR MORE SUPPORTING INSTITUTES OR DIVISIONS)
LM	NATIONAL LIBRARY OF MEDICINE
MB	OFFICE OF THE DIRECTOR, BHME
ME	DIVISION OF HEALTH MANPOWER EDUCATION SERVICES
MI	DIVISION OF MANPOWER INTELLIGENCE
NS	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
NU	DIVISION OF NURSING
OD	OFFICE OF THE DIRECTOR, NIH
PE	DIVISION OF PHYSICIAN AND HEALTH PROFESSIONS EDUCATION
PM	DIVISION OF PHYSICIAN MANPOWER
RG	DIVISION OF RESEARCH GRANTS
RR	DIVISION OF RESEARCH RESOURCES
RS	DIVISION OF RESEARCH SERVICES
TW	FOGARTY INTERNATIONAL CENTER

SYMBOLS USED TO IDENTIFY TYPE OR LEVEL OF FELLOWSHIP AND RESEARCH CAREER PROGRAM AWARD

THE ABBREVIATION FOLLOWING THE DEPARTMENT OR PROJECT TITLE IDENTIFIES THE TYPE AND/OR LEVEL OF AWARD

F02	POSTDOCTORAL FELLOWSHIP
F03	SPECIAL (INDIVIDUAL) FELLOWSHIP
F04	NURSING FELLOWSHIP
F05	INTERNATIONAL FELLOWSHIP
F10	FELLOWSHIP TRAINEESHIP
F11	DIRECT TRAINEESHIP
F13	HEALTH SCIENCE SCHOLAR
F15	FOGARTY INTERNATIONAL SCHOLARSHIP
K04	MODIFIED RESEARCH CAREER DEVELOPMENT AWARD
K07	ACADEMIC CAREER AWARD
K08	CLINICAL INVESTIGATOR CAREER AWARD

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SUMMARY OF NEW GRANTS AND AWARDS ANNOUNCED DURING NOVEMBER 1972

INSTITUTE OR DIVISION	RESEARCH * GRANTS		RESEARCH CONTRACTS		RESEARCH TRAINING GRANTS		RESEARCH FELLOWSHIPS		RESEARCH CAREER PROGRAM AWARDS			EDUCATION GRANTS	CONSTRUCTION GRANTS			MEDICAL LIBRARY GRANTS
	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS		NO. DOLLARS	NO.	DOLLARS		NO. DOLLARS
AH	0	0	0	0	0	0	0	0	0	0	3	32,825	0	0	0	0
AI	2	79,484	2	193,431	0	0	0	0	0	0	0	0	0	0	0	0
AM	8	555,726	1	33,200	0	0	0	0	0	0	0	0	0	0	0	0
CA	25	15,149,641	3	423,659	0	0	0	0	0	0	0	0	0	0	0	0
DE	0	0	1	64,100	0	0	0	0	0	0	0	0	0	0	0	0
ES	3	88,092	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EY	6	203,117	0	0	0	0	1	11,354	0	0	0	0	0	0	0	0
GM	2	66,517	0	0	1	89,320	0	0	0	0	0	0	0	0	0	0
HD	0	0	2	41,500	0	0	0	0	0	0	0	0	0	0	0	0
HL	9	376,006	10	745,627	0	0	0	0	0	0	0	0	0	0	0	0
MB	0	0	1	164,052	0	0	0	0	0	0	0	0	0	0	0	0
NS	0	0	0	0	0	0	1	20,400	0	0	0	0	0	0	0	0
TOTAL	55	16,518,583	20	1,665,569	1	89,320	2	31,754	0	0	3	32,825	0	0	0	0

* INCLUDES DIRECT COST ONLY

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LOS ANGELES			
HOSPITAL OF THE GOOD SAMARITAN			
CA 14136-01	KERN, WILLIAM H	CYTOPATHOLOGY OF URINARY BLADDER CARCINOMA	37,350
INSTITUTION TOTAL	1	37,350	
CITY TOTAL	1	37,350	
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
HL 15198-01	RICHARDS, JOHN H	HEME PROTEINS, ERYTHROCYTES, AND SICKLE CELL ANEMIA	64,304
INSTITUTION TOTAL	1	64,304	
CITY TOTAL	1	64,304	
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
AM 16478-01	EPSTEIN, ERVIN H, JR	MOLECULAR HETEROGENEITY OF HUMAN SKIN COLLAGEN	29,614
HL 14335-01A1	HALL, ALBERT D	ASPIRIN IN CEREBRAL ISCHEMIA - JOINT STUDY	53,776
CA 14093-01	KREVANS, JULIUS R	EXPLORATORY STUDIES FOR CANCER RESEARCH	85,233
HL 14286-01A1	YATSU, FRANK M	ASPIRIN IN CEREBRAL ISCHEMIA-JOINT STUDY	47,283
INSTITUTION TOTAL	4	215,906	
CITY TOTAL	4	215,906	
STATE TOTAL	6	317,560	
COLORADO			
DENVER			
DENVER HEALTH AND HOSPITALS DEPARTMENT--DENVER GENERAL HOSPITAL			
CA 13631-01	MAJOR, FRANCIS J	GROUP STUDY OF NEW GYNECOLOGIC CANCER PATIENTS	25,175
INSTITUTION TOTAL	1	25,175	
CITY TOTAL	1	25,175	
STATE TOTAL	1	25,175	
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
GM 18729-01A1	DOANE, WINIFRED W	GENETIC REGULATORY MECHANISM IN CELLULAR DIFFERENTIATION	46,659
INSTITUTION TOTAL	1	46,659	
CITY TOTAL	1	46,659	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	1	46,659	
DIST OF COL			
WASHINGTON			
LEONARD WOOD MEMORIAL			
AI 10688-01A1	MORRISON, NORMAN E	EXPERIMENTAL CHEMOTHERAPY OF LEPROSY	50,606
INSTITUTION TOTAL	1	50,606	
CITY TOTAL	1	50,606	
STATE TOTAL	1	50,606	
FLORIDA			
GAINESVILLE			
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA			
ES 00789-01	OLSEN, GERALD N	CIGARETTES, ALVEOLAR ENZYMES, AND THEIR INHIBITION	21,970
INSTITUTION TOTAL	1	21,970	
CITY TOTAL	1	21,970	
MIAMI			
UNIVERSITY OF MIAMI			
CA 13832-01	STEUART, CHARLES D	ENZYMATIC PREDICTION OF RESPONSE TO ANTICANCER DRUGS	31,102
INSTITUTION TOTAL	1	31,102	
CITY TOTAL	1	31,102	
STATE TOTAL	2	53,072	
GEORGIA			
ATLANTA			
NATIONAL CYSTIC FIBROSIS RESEARCH FOUNDATION			
HL 15665-01	WARING, WILLIAM W	SYMPOSIUM--CYSTIC FIBROSIS GENETIC LUNG LIVER DISEASE	30,100
INSTITUTION TOTAL	1	30,100	
CITY TOTAL	1	30,100	
STATE TOTAL	1	30,100	
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII			
CA 14131-01	LEE, RICHARD K	EXPLORATORY STUDIES IN CANCER RESEARCH	292,046

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	292,046	
CITY TOTAL	1	292,046	
STATE TOTAL	1	292,046	
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
CA 13980-01	DEUEL, THOMAS F	ENZYME REGULATION IN NORMAL AND NEOPLASTIC CELLS	36,102
INSTITUTION TOTAL	1	36,102	
CITY TOTAL	1	36,102	
STATE TOTAL	1	36,102	
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
EY 01038-01	WATZKE, ROBERT C	COLLABORATIVE STUDY OF DIABETIC RETINOPATHY	40,000
INSTITUTION TOTAL	1	40,000	
CITY TOTAL	1	40,000	
STATE TOTAL	1	40,000	
KENTUCKY			
LOUISVILLE			
UNIVERSITY OF LOUISVILLE			
CA 13799-01	MOORE, CONDICT	EXPLORATORY STUDIES FOR CANCER RESEARCH	51,724
INSTITUTION TOTAL	1	51,724	
CITY TOTAL	1	51,724	
STATE TOTAL	1	51,724	
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
AM 16446-01	LOVE, WARNER E	X-RAY CRYSTAL STRUCTURE OF SICKLE CELL HEMOGLOBIN	117,600
INSTITUTION TOTAL	1	117,600	
CITY TOTAL	1	117,600	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MARYLAND			
BETHESDA			
AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS			
AM 16504-01	BLOCH, KONRAD E	9TH INTERNATIONAL CONGRESS OF BIOCHEMISTRY, II	25,000
INSTITUTION TOTAL	1	25,000	
CITY TOTAL	1	25,000	
STATE TOTAL	2	142,600	
MASSACHUSETTS			
BOSTON			
BOSTON UNIVERSITY			
CA 14551-01	RYSER, HUGUES J	PENETRATION OF MACROMOLECULES INTO MAMMALIAN CELLS	37,325
INSTITUTION TOTAL	1	37,325	
CHILDREN'S HOSPITAL MEDICAL CENTER			
AM 16392-01	MC CLUSKEY, ROBERT T	IMMUNOLOGIC MECHANISMS IN RENAL DISEASES IN CHILDHOOD	163,000
INSTITUTION TOTAL	1	163,000	
HARVARD UNIVERSITY			
ES 00827-01	AMDUR, MARY O	FACTOR AFFECTING IRRITANT POTENCY OF GASES AND AEROSOLS	46,013
INSTITUTION TOTAL	1	46,013	
MASSACHUSETTS GENERAL HOSPITAL			
CA 13651-01	FITZPATRICK, THOMAS B	MALIGNANT MELANOMA GROUP	53,252
INSTITUTION TOTAL	1	53,252	
NEW ENGLAND MEDICAL CENTER HOSPITALS			
CA 13763-01	NEURATH, PETER W	CHROMOSOMAL VARIANTS OF CELLS CONVERTED BY VIRUSES	66,000
INSTITUTION TOTAL	1	66,000	
UNIVERSITY HOSPITAL			
ES 00902-01	FELDMAN, ROBERT	DIAGNOSIS AND THERAPY OF CHRONIC CHILDHOOD PLUMBISM	20,109
HL 15732-01	MELBY, JAMES C	MINERALOCORTICOID HYPERTENSION	53,900
INSTITUTION TOTAL	2	74,009	
CITY TOTAL	7	439,599	
CAMBRIDGE			
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
CA 14051-01	LURIA, SALVADOR E	A CENTER FOR CANCER BIOLOGY AT MIT	
INSTITUTION TOTAL	1	13,878,216	13,878,216
CITY TOTAL	1	13,878,216	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
WORCESTER			
ST. VINCENT HOSPITAL			
CA 14563-01	FRIEDELL, GILBERT H	CONFERENCE ON BLADDER CANCER-CLASSIFICATION & GEOGRAPHY	16,300
CA 14577-01	FRIEDELL, GILBERT H	CONFERENCE ON BLADDER CANCER - EXPERIMENTAL MODELS	9,800
INSTITUTION TOTAL	2	26,100	
CITY TOTAL	2	26,100	
STATE TOTAL	10	13,904,316	
MICHIGAN			
DETROIT			
HENRY FORD HOSPITAL			
CA 13887-01	DRUKKER, BRUCE H	GYNECOLOGIC ONCOLOGY GROUP	6,400
INSTITUTION TOTAL	1	6,400	
CITY TOTAL	1	6,400	
STATE TOTAL	1	6,400	
MISSISSIPPI			
JACKSON			
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER			
CA 13633-01	BORONOW, RICHARD C	GROUP STUDY OF NEW GYNECOLOGIC CANCER PATIENTS	29,000
CA 13705-01	JACKSON, JOHN F	EXPLORATORY STUDIES FOR CANCER RESEARCH	19,450
INSTITUTION TOTAL	2	48,450	
CITY TOTAL	2	48,450	
STATE TOTAL	2	48,450	
MISSOURI			
KANSAS CITY			
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT KANSAS CITY			
AM 16103-01	BURICH, RAYMOND L	EFFECTS OF ALKALOSIS ON RENAL METABOLISM	6,614
INSTITUTION TOTAL	1	6,614	
CITY TOTAL	1	6,614	
SAINT LOUIS			
WASHINGTON UNIVERSITY			
AM 16301-01	SIMMONS, DAVID J	DIURNAL VARIATIONS IN CARTILAGE AND BONE GROWTH	34,500
INSTITUTION TOTAL	1	34,500	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	34,500	
STATE TOTAL	2	41,114	
NEW YORK			
ALBANY			
UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE			
EY 01035-01	VAN HEUVEN, WICHARD A	COLLABORATIVE STUDY OF DIABETIC RETINOPATHY	40,000
INSTITUTION TOTAL	1	40,000	
CITY TOTAL	1	40,000	
NEW YORK			
NEW YORK MEDICAL COLLEGE			
EY 01046-01	LUNG, RUTH S	COLLABORATIVE STUDY OF DIABETIC RETINOPATHY	40,000
INSTITUTION TOTAL	1	40,000	
NEW YORK UNIVERSITY			
AI 11028-01	NUSSENZWEIG, VICTOR	PLASMA MEMBRANE OF NORMAL AND LEUKEMIC HUMAN LEUKOCYTES	28,878
INSTITUTION TOTAL	1	28,878	
STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER			
CA 12892-01	DORNFEST, BURTON S	RES FUNCTION IN THE LEUKEMIC RAT	13,536
INSTITUTION TOTAL	1	13,536	
CITY TOTAL	3	82,414	
UPTON			
ASSOCIATED UNIVERSITIES (BROOKHAVEN NATIONAL LABORATORY)			
HL 15685-01	CRONKITE, EUGENE P	ERYTHROPOIETIN IN CULTURES OF RENAL GLOMERULI	62,464
INSTITUTION TOTAL	1	62,464	
CITY TOTAL	1	62,464	
STATE TOTAL	5	184,878	
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
CA 13888-01	LESTER, RICHARD G	DIAGNOSTIC BREAST CANCER GROUP	65,000
INSTITUTION TOTAL	1	65,000	
CITY TOTAL	1	65,000	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	1	65,000	
OREGON			
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--PORTLAND STATE UNIVERSITY			
EY 00913-01	MURCH, GERALD M	MCCOLLOUGH EFFECT--COLOR VISION AND SHAPE PERCEPTION	10,851
INSTITUTION TOTAL	1	10,851	
CITY TOTAL	1	10,851	
STATE TOTAL	1	10,851	
PENNSYLVANIA			
PHILADELPHIA			
PRESBYTERIAN-UNIVERSITY OF PENNSYLVANIA MEDICAL CENTER			
EY 01041-01	FRAYER, WILLIAM C	COLLABORATIVE STUDY OF DIABETIC RETINOPATHY	32,266
INSTITUTION TOTAL	1	32,266	
UNIVERSITY OF PENNSYLVANIA			
AM 16186-01	BORA, FRANK W	INHIBITION OF SCARS IN TENDON AND NERVE INJURY	129,418
INSTITUTION TOTAL	1	129,418	
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY			
GM 20306-01	LEVINE, ELLIOT M	MOLECULAR BIOLOGY OF CELLULAR INTERACTIONS	19,858
INSTITUTION TOTAL	1	19,858	
CITY TOTAL	3	181,542	
STATE TOTAL	3	181,542	
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
CA 13704-01	O'BRIEN, PAUL H	EXPLORATORY STUDIES FOR CANCER RESEARCH	51,613
INSTITUTION TOTAL	1	51,613	
CITY TOTAL	1	51,613	
STATE TOTAL	1	51,613	
TENNESSEE			
KNOXVILLE			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE			
HL 15647-01	JONES, JIMMY B	CYCLIC NEUTROPENIA	21,009

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	21,009	
CITY TOTAL	1	21,009	
TENNESSEE			
MEMPHIS			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE MEDICAL UNITS			
AM 16506-01	KANG, ANDREW H	CHEMISTRY AND BIOLOGY OF NORMAL AND ABNORMAL COLLAGENS	49,980
INSTITUTION TOTAL	1	49,980	
CITY TOTAL	1	49,980	
STATE TOTAL	2	70,989	
TEXAS			
AUSTIN			
GENETICS SOCIETY OF AMERICA			
CA 14531-01	HOLLAENDER, ALEXANDER	SELECTED SYMPOSIA: INTERNATIONAL GENETICS CONGRESS	18,810
INSTITUTION TOTAL	1	18,810	
CITY TOTAL	1	18,810	
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL SCHOOL AT DALLAS			
CA 14094-01	LAWRASON, F DOUGLAS	EXPLORATORY STUDIES FOR CANCER RESEARCH	94,019
INSTITUTION TOTAL	1	94,019	
CITY TOTAL	1	94,019	
STATE TOTAL	2	112,829	
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
CA 13750-01	GLASGOW, LOWELL A	EXPLORATORY STUDIES FOR CANCER RESEARCH	61,500
EY 01043-01	RIEKHOF, F TEMPEL	COLLABORATIVE STUDY OF DIABETIC RETINOPATHY	40,000
INSTITUTION TOTAL	2	101,500	
CITY TOTAL	2	101,500	
STATE TOTAL	2	101,500	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
CA 13300-01	EL-MAHDI, ANAS M	CONTROL OF MICROSCOPIC AND MACROSCOPIC METASTASIS	50,274
HL 15716-01	KUTCHAI, HOWARD C	SUGAR TRANSPORT IN DEVELOPING HEART CELLS	28,670
INSTITUTION TOTAL	2	78,944	
CITY TOTAL	2	78,944	
STATE TOTAL	2	78,944	
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
HL 15263-01	ALBERS, JOHN J	LIPOPROTEIN PEPTIDE AND ENZYME RADIOIMMUNOASSAYS	14,500
CA 14135-01A1	CHAPMAN, WARREN H	IMMUNOLOGY OF BLADDER TUMORS	49,183
INSTITUTION TOTAL	2	63,683	
CITY TOTAL	2	63,683	
STATE TOTAL	2	63,683	
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN AT MADISON			
CA 14524-01	LOWER, GERALD M, JR	METABOLIC FACTORS INVOLVED IN BLADDER CARCINOGENESIS	71,231
INSTITUTION TOTAL	1	71,231	
CITY TOTAL	1	71,231	
STATE TOTAL	1	71,231	
TOTAL	55	16,518,583	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
CALIFORNIA				
EMERYVILLE				
TECNA CORPORATION				
NIH -73-2924	ROBINSON, THOMAS C	DEVELOPMENT OF ELECTROPNEUMATIC DRIVE CONSOLES	HL	93,095
INSTITUTION TOTAL	1	93,095		
CITY TOTAL	1	93,095		
LA JOLLA				
SCRIPPS CLINIC AND RESEARCH FOUNDATION				
NIH -73-2509	EDGINGTON, THOMAS S	IMMUNOHISTOCHEMICAL ASSAY OF HEPATITIS ANTIGENS	AI	108,431
INSTITUTION TOTAL	1	108,431		
CITY TOTAL	1	108,431		
SAN DIEGO				
GULF ENERGY AND ENVIRONMENTAL SYSTEMS				
NIH -73-2921	SNOWDEN, DONALD P	DEVELOPMENT OF CARBON-FILM COMPOSITES FOR PROSTHESES	HL	106,000
INSTITUTION TOTAL	1	106,000		
CITY TOTAL	1	106,000		
STATE TOTAL	3	307,526		
DIST OF COL				
WASHINGTON				
AMERICAN PHARMACEUTICAL ASSOCIATION				
NIH -73-4007	MC GHAN, WILLIAM F	INTERDISCIPLINARY STUDENT CONFERENCE ON HEALTH MANPOWER	MB	164,052
INSTITUTION TOTAL	1	164,052		
CITY TOTAL	1	164,052		
STATE TOTAL	1	164,052		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
FLORIDA				
MIAMI				
UNIVERSITY OF MIAMI				
NIH -73-3218	MEYERS, PAUL	STUDY OF CELLULAR IMMUNITY IN BREAST CANCER	CA	70,000
INSTITUTION TOTAL	1	70,000		
CITY TOTAL	1	70,000		
STATE TOTAL	1	70,000		
ILLINOIS				
CHICAGO				
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER				
NIH -73-2203	WEISSMANN, BERNARD	DEVELOPMENT OF PHENYL A-L-IDUROMIDE & RELATED COMPOUNDS	AM	33,200
INSTITUTION TOTAL	1	33,200		
CITY TOTAL	1	33,200		
STATE TOTAL	1	33,200		
MASSACHUSETTS				
BOSTON				
UNIVERSITY HOSPITAL				
NIH -73-2505	BLACKLOW, NEIL R	STUDY OF AGENTS OF ACUTE NONBACTERIAL GASTROENTERITIS	HL	20,000
INSTITUTION TOTAL	1	20,000		
CITY TOTAL	1	20,000		
EVERETT				
AVCO CORPORATION--EVERETT RESEARCH LABORATORY				
NIH -73-2917	MYILAS, E	DEVELOPMENT AND TESTING OF SPECIMENS	HL	94,166
INSTITUTION TOTAL	1	94,166		
CITY TOTAL	1	94,166		
SHREWSBURY				
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY				
NIH -73-2719	WILLIAMS, KENNETH I H	EFFECT OF DRUGS ON CONTRACEPTIVE STEROID METABOLISM	HD	21,500
INSTITUTION TOTAL	1	21,500		
CITY TOTAL	1	21,500		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
MASSACHUSETTS				
WALTHAM				
TYCO LABORATORIES				
NIH -73-2923	JOSE, G	DEVELOPMENT OF IMPLANTABLE BIOLOGICAL FUEL CELLS	HL	109,432
NIH -73-2925	LEONARD, EDWARD F	DEVELOPMENT OF ENERGY CONVERTER FOR CARDIAC DEVICES	HL	60,397
INSTITUTION TOTAL	2	169,829		
CITY TOTAL	2	169,829		
STATE TOTAL	5	305,495		
MINNESOTA				
MINNEAPOLIS				
GENERAL MILLS, INC.				
NIH -73-2416	ANDERSON, RAY H	STUDY OF SUCROSE SUBSTITUTES	DE	64,100
INSTITUTION TOTAL	1	64,100		
CITY TOTAL	1	64,100		
STATE TOTAL	1	64,100		
NEW JERSEY				
FREEHOLD				
WORTHINGTON BIOCHEMICAL CORPORATION				
NIH -73-2507	FLORA, ROBERT M	EXTRACTION OF ANTIGENS E, RA3, AND K FROM RAGWEED POLLEN	AI	85,000
INSTITUTION TOTAL	1	85,000		
CITY TOTAL	1	85,000		
STATE TOTAL	1	85,000		
NEW YORK				
NEW YORK				
COLUMBIA UNIVERSITY				
NIH -73-2910	LEONARD, EDWARD F	STUDY OF PLATELET REACTIONS ON ARTIFICIAL MATERIALS	HL	60,467
INSTITUTION TOTAL	1	60,467		
NEW YORK UNIVERSITY				
NIH -73-3855	LIPPMANN, MORTON	MINIMUM SURFACE DENSITY OF TANTALUM FOR X-RAY	CA	30,159
INSTITUTION TOTAL	1	30,159		
CITY TOTAL	2	90,626		
STATE TOTAL	2	90,626		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	INSTITUTE	DOLLARS AWARDED
TEXAS				
HOUSTON				
UNIVERSITY OF HOUSTON				
NIH -73-2714	FRANKLIN, LUTHER E	STUDY OF MAMMALIAN SPERMATOZOA	HD	20,000
INSTITUTION TOTAL	1	20,000		
CITY TOTAL	1	20,000		
STATE TOTAL	1	20,000		
VIRGINIA				
LURAY				
MAX FOLTZ FARMS				
NIH -73-2929	FOLTZ, MAX	SUPPORT FOR SHEEP-BREEDING COLONY	HL	78,000
INSTITUTION TOTAL	1	78,000		
CITY TOTAL	1	78,000		
MC LEAN				
TRW, INC.--RESOURCES RESEARCH, INC.				
NIH -73-3708	DALGARD, DANIEL W	SUPPORT FOR PRIMATE-BREEDING FACILITY	CA	323,500
INSTITUTION TOTAL	1	323,500		
CITY TOTAL	1	323,500		
SPRINGFIELD				
MELOY LABORATORIES				
NIH -73-2926	INNERARITY, TOM L	PREPARTION AND ANALYSIS OF LIPOPROTEINS	HL	49,870
INSTITUTION TOTAL	1	49,870		
CITY TOTAL	1	49,870		
STATE TOTAL	3	451,370		
CANADA				
WINNIPEG				
UNIVERSITY OF MANITOBA				
NIH -73-2903	CHERNIACK, R M	STUDY TO STANDARDIZE THE MEASUREMENT OF CLOSING VOLUME	HL	74,200
INSTITUTION TOTAL	1	74,200		
CITY TOTAL	1	74,200		
STATE TOTAL	1	74,200		
TOTAL	20	1,665,569		

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR		TITLE OF PROGRAM	DOLLARS AWARDED
NEW YORK				
ROCHESTER				
UNIVERSITY OF ROCHESTER				
GM 02263-01	YOUNG, FRANK E		MEDICAL SCIENTIST	89,320
INSTITUTION TOTAL	1	89,320		
CITY TOTAL	1	89,320		
STATE TOTAL	1	89,320		
TOTAL	1	89,320		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
COLORADO			
FORT COLLINS			
COLORADO STATE UNIVERSITY			
NS 02660-01	LITWAK, PHILIP	SURGERY	F10
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
SWITZERLAND			
BERN			
UNIVERSITY OF BERN			
EY 54847-01	FOOS, ROBERT Y	PATHOLOGY	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	2		

NIH
EDUCATION GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
DIST OF COL			
WASHINGTON			
AMERICAN PUBLIC HEALTH ASSOCIATION			
AH 03039-01	HERING, FREDERICK W	SHORT-TERM PUBLIC HEALTH TRAINING	6,280
INSTITUTION TOTAL	1	6,280	
CITY TOTAL	1	6,280	
STATE TOTAL	1	6,280	
KANSAS			
WICHITA			
E. S. EDGERTON MEDICAL RESEARCH FOUNDATION			
AH 00086-01	REALS, WILLIAM J	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	21,300
INSTITUTION TOTAL	1	21,300	
CITY TOTAL	1	21,300	
STATE TOTAL	1	21,300	
NEW YORK			
NEW YORK			
NEW YORK INSTITUTE FOR RESEARCH AND DEVELOPMENT IN HEALTH CARE			
AH 02043-01	HIMLER, GEORGE	SHORT-TERM PUBLIC HEALTH TRAINING	5,245
INSTITUTION TOTAL	1	5,245	
CITY TOTAL	1	5,245	
STATE TOTAL	1	5,245	
TOTAL	3	32,825	

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